

# ANTARCTIC RECORD Vol. 46, No. 1

## CONTENTS

### *Scientific Notes*

- Solar cycle dependence, seasonal and daily variations, and weekend effect deduced from long-term monitoring of ELF/VLF emissions at Syowa-Iceland geomagnetic conjugate stations (in Japanese)  
.....*Hisao Yamagishi, Masayuki Kikuchi, Natsuo Sato, Isamu Nagano and Th. Saemundsson*..... 1
- Quantitative chemical analyses of rocks with X-ray fluorescence analyzer:  
(3) Rare earth elements (in Japanese)  
.....*Kimiko Seno, Hideo Ishizuka, Yoichi Motoyoshi and Kazuyuki Shiraishi*..... 15
- Health survey of wintering members of the 40th Japanese Antarctic Research Expedition (in Japanese)  
.....*Shinji Otani and Hiromitsu Kusagaya*..... 34

### *Reports*

- A summary of NOAA receiving resumed at Syowa Station, and preliminary results (in Japanese)  
.....*Naohiko Hirasawa, Hiroki Kai and Takashi Yamanouchi*..... 40
- Achievements and prospects of medical research in the Japanese Antarctic Research Expedition (in Japanese)  
.....*Taketoshi Morimoto, Katsufumi Sato, Hideki Ohno and Mitsuo Fukuchi*..... 56

### *Symposium/Meeting Reports*

- Report on workshop “Marine Science Program in the 43rd Japanese Antarctic Research Expedition on a Charter Research Vessel” (in Japanese)  
.....*Tsuneo Odate and Mitsuo Fukuchi*..... 67
- Report on workshop “Oceanographic Studies in the Antarctic Ocean by the 44th Japanese Antarctic Research Expedition” (in Japanese)  
.....*Tsuneo Odate and Mitsuo Fukuchi*..... 79

### *News*

- The revision of the Code of Antarctic Geographic Naming enacted by the Japanese Antarctic Research Expedition Headquarters (in Japanese)  
.....*National Institute of Polar Research*..... 88
- Notice of “Summary report on the Arctic Airborne Measurement Program: AAMP 98”, Nankyoku Shiryô, Vol. 46, No. 1A, Special Issue
- Note to contributors